

# Unmanned Aerial Vehicle Ground Control Station (UAV GCS)

---

## SYSTEM DESCRIPTION

Commanders use a Predator Unmanned Aerial Vehicle Ground Control Station (UAV) with an electro-optic/infrared surveillance capability and an ultra high frequency voice relay package to enhance the war fighters' capabilities. The aircraft can transmit payload imagery, aircraft position, and target position data to the command center. The center can record and/or re-broadcast via the network and satellite systems to commands around the world.

A Global Command and Control System-Joint Integrated Intelligence and Imagery (GCCS-J I3) suite can process and display video made available to commands via a SVHS tape, satellite, Secret Internet Protocol Router Network, or wide/local area networks. The Video Ingestor collects predator video and telemetry data and provides it to all I3 clients in the network. The workstation can also be used as an imagery client. It requires a special Motion Picture Experts Group (MPEG) encoder card, currently one per input source/channel. GCCS-J utilizes the Video Ingestor and text grabber to decipher telemetry received via network/broadcast from the UAV CGS.

## INTEROPERABILITY CERTIFICATION STATUS

Please refer to the [Joint GCCS Interoperability Status Table](#)